

10/ 665 631

case  
file

**Sterne Kessler  
Goldstein Fox**  
ATTORNEYS AT LAW



Robert Greene Sterne  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Homer  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr  
Michael V. Messinger  
Judith U. Kim

Patrick E. Garrett  
Jeffrey T. Helvey  
Heidi L. Kraus  
Eldora L. Ellison  
Thomas C. Fiala  
Donald R. Banowitz  
Peter A. Jackman  
Jeffrey S. Weaver  
Brian J. Del Buono  
Edward W. Yee  
Vincent L. Capuano  
Virgil Lee Beaton  
Theodore A. Wood  
Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham  
Rae Lynn P. Guest  
Daniel A. Klein

Jason D. Eisenberg  
Michael D. Specht  
Tracy L. Muller  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longworth  
Lori A. Gordon  
Laura A. Vogel  
Bryan S. Wade  
Bashir M.S. Ali  
Shannon A. Carroll  
Matthew E. Kelley  
Michelle K. Holoubek  
Marsha A. Rose\*

Christopher J. Walsh  
W. Blake Coblenz  
James J. Pohl\*  
Young Tang  
John T. Haran\*  
Mark W. Rygiel

**Registered Patent Agents\***  
Karen R. Markowitz  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Victoria S. Rutherford  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee  
Scott M. Woodhouse

Liliana Di Nola-Baron  
Peter A. Socarras  
Jeffrey K. Mills  
Danielle L. Letting  
Lori Brandes

**Of Counsel**  
Edward J. Kessler  
Kenneth C. Bass III  
Marvin C. Guthrie

\*Admitted only in Maryland  
\*Admitted only in Virginia  
•Practice Limited to  
Federal Agencies

May 24, 2006

**WRITER'S DIRECT NUMBER:**  
(202) 772-8675  
**INTERNET ADDRESS:**  
JHELVEY@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 2817**

**Attn: Certificate of Correction Branch**

Re: U.S. Patent No. 7,019,598 B2  
Issued: March 28, 2006  
For: **Integrated VCO Having An Improved Tuning Range Over Process  
And Temperature Variations**  
Inventors: Duncan *et al.*  
Our Ref: 1875.138000F

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Credit Card Payment Form (PTO-2038) in the amount of \$100.00 to cover:  
\$100.00 for Certificate of Correction fee (under 37 C.F.R. § 1.20(a));
2. Request for Certificate of Correction Under 37 C.F.R. §§ 1.322 and 1.323;
3. Certificate of Correction (Form PTO/SB/44); and
4. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Certificate  
MAY 30 2006  
of Correction

MAY 30 2006

Commissioner for Patents  
May 24, 2006  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey T. Helvey  
Attorney for Patentees  
Registration No. 44,757

Enclosures

JTH/agj  
534482\_1.DOC

MAY 30 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

Duncan *et al.*

Patent. No.: 7,019,598 B2

Issued: March 28, 2006

For: **Integrated VCO Having An  
Improved Tuning Range Over  
Process And Temperature  
Variations**

Confirmation No.: 7309

Art Unit: 2817

Examiner: Mis, David C.

Atty. Docket: 1875.138000F

**Request for Certificate of Correction  
Under 37 C.F.R. §§ 1.322 and 1.323**

*Attn: Certificate of Correction Branch*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. §§ 1.322 and 1.323 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by both the U.S. Patent and Trademark Office and by Applicants. The mistakes made by Applicants are of a clerical or typographical nature, or of a minor character. Patentees submit that correction of these errors does not introduce new matter.

05/26/2006 MBEYENE1 00000035 7019598

01 FC:1811

100.00 0P

MAY 30 2006

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

In column 31, line 49, " $1250M-50M-(5/4*924.8M)44M$ " should be replaced with  $--1250M-50M-(5/4*924.8M) = 44M--$ . Support for this correction can be found in the specification on page 61. This is a PTO error.

In column 35, lines 64 and 64, " $(C_2)$ " should be replaced with  $--(C_2)--$ , and " $(C_1)$ " should be replaced with  $--(C_1)--$ . Support for this correction can be found in the specification on page 69. This is an Applicant error.

In column 46, line 37, " $a_6v_i^6+$ " should be replaced with  $--a_6v_i^6+.....--$ . Support for this correction can be found in the specification on page 89. This is a PTO error.

In column 53, lines 11-16 (in equation 7.21), the 4 occurrences of " $\Delta V_i + V_{os}$ " should be replaced with  $--\Delta V_i - V_{os}--$ . Support for this correction can be found in the specification on page 101. This is a PTO error.

In column 53, line 63, " $V_{gt}^{M3,4} \approx V_{gt}^{M1,2}/2V_{os} \approx V_{gt}^{M3,4}/3$ " should be replaced with  $--V_{gt}^{M3,4} \approx V_{gt}^{M1,2}/2 \quad V_{os} \approx V_{gt}^{M3,4}/3--$ . Support for this correction can be found in the specification on page 103. This is a PTO error.

***Remarks***

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

This request is accompanied by payment of the fee set forth in 37 C.F.R. § 1.20(a). Fee payment is provided in the attached Credit Card Payment Form (PTO-2038). The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey T. Helvey  
Attorney for Patentees  
Registration No. 44,757

Date: 5/24/06

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

JTH/lam/agj  
532542.1

MAY 30 2006

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO: 7,019,598 B2

DATED: March 28, 2006

INVENTOR(S): Duncan *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

In column 31, line 49, "1250M-50M-(5/4\*924.8M)44M" should be replaced with --1250M-50M-(5/4\*924.8M) = 44M--.

In column 35, lines 64 and 64, "(C<sub>2</sub>" should be replaced with --(C<sub>2</sub>)--, and "(C<sub>1</sub>)" should be replaced with --(C<sub>1</sub>)--.

In column 46, line 37, " $a_6 v_i^6 +$ " should be replaced with --  $a_6 v_i^6 + \dots$  --.

In column 53, lines 11-16 (in equation 7.21), the 4 occurrences of " $\Delta V_i + V_{os}$ " should be replaced with -- $\Delta V_i - V_{os}$ --.

In column 53, line 63, " $V_{gt}^{M3,4} \approx V_{gt}^{M1,2}/2 V_{os} \approx V_{gt}^{M3,4}/3$ " should be replaced with -- $V_{gt}^{M3,4} \approx V_{gt}^{M1,2}/2$   $V_{os} \approx V_{gt}^{M3,4}/3$ --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

1100 New York Avenue, NW

Washington DC 20005-3934

Atty. Dkt. No. 1875.138000F

This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

532539.1

MAY 30 2006